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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/820,321
Filing Date	April 7, 2004
First Named Inventor	Kazunori ITO
Art Unit	2655
Examiner Name	<i>Neyzar,</i>
Attorney Docket Number	66668-A GCD

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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	7 ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
<i>Act</i>		EP 0 867 868 A	09-30-1998	Mitsubishi		
<i>Act</i>		EP 1 065 659 A	01-03-2001	Pioneer		
<i>Act</i>		EP 0 898 272 A	02-24-1999	Ricoh		

Examiner Signature	<i>[Signature]</i>	Date Considered	7-28-05
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First Named Inventor	Kazunori Ito
Art Unit	2655
Examiner Name	Noyzar
Attorney Docket Number	66668-A CCD

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		Number-Kind Code ² (if known)			
J.N.		US- 6,177,167	01-2001	Yuzurihara et al.	
		US- 6,096,398	08-2000	Yuzurihara et al.	
		US- 5,974,025	10-1999	Yamada et al.	
		US- 5,736,657	04-1998	Ide et al.	
		US- 6,127,016	10-2000	Yamada et al.	
		US- 5,785,828	07-1998	Yamada et al.	
		US- 5,100,700	03-1992	Ide et al.	
		US- 5,024,927	06-1991	Yamada et al.	
		US- 5,011,723	04-1991	Harigaya et al.	
		US- 5,080,947	01-1992	Yamada et al.	
		US- 6,319,368	11-2001	Ide et al.	
		US- 6,280,684	08-2001	Yamada et al.	
		US- 6,261,661	07-2001	Ohno	
		US- 2001/0028938	10-2001	Kojima	
		US- 2001/0036528	11-2001	Abiko	
		US- 2003/0058763	03-2003	Noda	
		US- 2003/0003260	01-2003	Inoue et al.	
		US- 6,469,977	10-2002	Kitaura et al.	
J.N.		US- 6,011,757	01-2000	Ovshinsky	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
J.N.		JP 2652443	05-1997		abstract	

Examiner Signature	<i>Shi. Noyzar</i>	Date Considered	7-28-05
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Application Number	101820321
Filing Date	April 8, 2004
First Named Inventor	Kazunori Ito
Art Unit	2655
Examiner Name	Neyzar,
Attorney Docket Number	66668-A CCD

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		Number-Kind Code ² (if known)			
A.A.		US- 6,479,121	11-12-2002	Miura et al.	
		US- 6,548,137	04-15-2003	Ito et al.	
		US- 6,445,669	09-03-2002	Hattori et al.	
		US- 6,426,936	07-30-2002	Shinotsuka et al.	
		US- 6,391,417	05-21-2002	Yuzunihara et al.	
		US- 6,373,802	04-16-2002	Hattori et al.	
		US- 6,652,806	11-25-2003	Ide et al.	
		US- 6,503,592	01-07-2003	Yamada et al.	
		US- 2001/0041240 A1	11-15-2001	Ito et al.	
		US- 09/585,380	f 6/1/00	unpublished	claims & drawings
A.A.		US- 09/569,501	f 5/11/00	unpublished	claims & drawings
		US- 09/534,183	f 3/24/00	unpublished	claims & drawings
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	<i>Al. Nyzar</i>	Date Considered	7-28-05
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